

The Commonwealth of Massachusetts.

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1914

ASSESSMENTS

FOR

INTEREST, SINKING FUNDS, SERIAL  
BONDS, AND MAINTENANCE

OF THE

METROPOLITAN DISTRICTS.

---

ISSUED BY THE

TREASURER AND RECEIVER-GENERAL.



BOSTON:

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1914.



# The Commonwealth of Massachusetts.

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TREASURY DEPARTMENT, Sept. 15, 1914.

Under the provisions of chapter 526 of the Acts of the year 1911 the following computations for annual assessments for interest, sinking fund, serial bond payments and maintenance for 1914, to be paid by the cities and towns comprising the various metropolitan districts, are compiled and printed as a public document.

In recent years it has been the custom to compute at the rate of 3 per cent. the earnings of the sinking funds to the maturity of the loans for which they were established. In my opinion this rate is too low, as the sinking funds have earned far more than 3 per cent., and for the last three years have earned more than 4 per cent. By computing the earnings at a rate so much lower than they actually earn, the various cities and towns of the metropolitan districts have been assessed for a larger amount annually than would be necessary if the rate of computation were higher. Careful investigation has convinced me that a basis of 4 per cent. would be not only fair but entirely safe and conservative, and accordingly the sinking funds this year have been computed upon a 4 per cent. interest earning basis. The only exception is in the case of metropolitan parks loan, series two, which has been computed on the old basis of 3 per cent. The reason for this is that this loan is for "boulevards," the assessments for which are apportioned, one-half to the Commonwealth and one-half to the metropolitan district. The Legislature called for the amount of the Commonwealth's half very early in the year, before the new rate had been definitely decided upon, and this determined the amount of the assessment of the district's half for this year. The attention of the public is invited to the very substantial reduction in the assessments levied upon the various cities and towns of the metropolitan districts for the sinking funds on which the interest-earning basis of 3 per cent. has been raised to 4 per cent. Thus, for example, the assessment levied upon the city

of Boston falls from \$514,113.69 in 1913 to \$291,976.76 in 1914; Brookline, from \$22,074.94 to \$15,638.93; Cambridge, from \$32,767.67 to \$24,743.91; Lynn, from \$4,181.75 to \$2,212.50; Malden, from \$22,065.96 to \$14,987.70. Upon the whole metropolitan district the figures of the assessments for these same sinking funds for 1913 under the old basis of computation were \$812,869, and in 1914, under the new rate, this amount has been reduced to \$492,402, or approximately 40 per cent. less.

These reductions will continue practically the same annually until the end of the term, thus distributing the burden of taxation over a longer period of time than was possible under the old rate. If the policy of computing the sinking funds on a 3 per cent. interest earning basis were continued, the result would be that each loan would be filled long before it was time to pay it, and it is plain that this would mean that the present generation would be bearing part of the burden of taxation that should be borne by posterity.

Such a policy seems to me to be indefensible. Sinking funds should be computed as closely to the rate that they are actually earning as is possible with safety, and if they are in reality earning more than 4 per cent. I see no reason for figuring them as low as 3 per cent. If 4 per cent. should prove to be too high in any future year it is a simple matter to reduce the rate of computation.

FREDERICK W. MANSFIELD,

*Treasurer and Receiver-General.*

*Total Assessments for Metropolitan Districts for 1914.*

CITIES AND TOWNS.	Metropolitan Water.	Metropolitan Parks and Boulevards.	Metropolitan Sewer, North and South Systems.	Charles River Basin.	Total.
Arlington, . .	\$16,583 29	\$10,395 41	\$14,611 90N	\$1,222 72	\$42,813 32
Belmont, . .	9,583 11	6,186 91	8,227 20N	695 64	24,692 86
Boston, . .	1,676,038 11	672,821 42	{ 89,150 10N 215,221 80s }	150,721 67	2,803,953 10
Braintree, . .	—	2,122 37	—	656 97	2,779 34
Brookline, . .	—	53,151 09	90,022 00s	12,029 88	155,202 97
Cambridge, . .	—	67,709 11	114,341 14N	17,601 38	199,651 63
Canton, . .	—	1,511 64	—	468 25	1,979 99
Chelsea, . .	50,869 84	15,481 73	29,704 27N	2,586 60	98,642 44
Cohasset, . .	—	197 12	—	—	197 12
Dedham, . .	—	6,968 84	10,700 14s	1,447 52	19,116 50
Dover, . .	—	1,882 16	—	581 99	2,464 15
Everett, . .	45,438 12	17,882 01	34,154 23N	2,773 92	100,248 28
Hingham, . .	—	2,274 51	—	704 43	2,978 94
Hull, . .	—	1,832 18	—	569 54	2,401 72
Hyde Park, . .	— <sup>1</sup>	9,212 67	—	1,527 48	10,740 15
Lexington, . .	8,242 15	—	4,819 43N	—	13,061 58
Lynn, . .	—	40,445 51	—	7,519 94	47,965 45
Malden, . .	46,596 27	26,939 34	46,117 09N	4,568 67	124,221 37
Medford, . .	27,914 48	21,601 11	26,035 94N	2,461 68	78,013 21
Melrose, . .	22,647 92	10,558 39	17,437 18N	1,731 04	52,374 53
Milton, . .	15,894 25	20,391 28	21,515 56s	3,048 66	60,849 75
Nahant, . .	5,755 70	6,673 15	—	820 56	13,249 41
Needham, . .	—	3,103 19	—	624 47	3,727 66
Newton, . .	6,221 66	38,278 40	59,153 23s	8,203 13	111,856 42
Quincy, . .	51,469 66	23,998 29	29,125 39s	3,104 90	107,698 24
Reading, . .	—	51 84	—	—	51 84
Revere, . .	27,021 39	14,363 51	18,890 77N	1,588 70	61,864 37
Saugus, . .	—	3,260 60	—	590 78	3,851 38
Somerville, . .	109,999 13	39,213 54	72,437 60N	6,638 16	228,288 43
Stoneham, . .	7,777 36	3,182 46	5,960 69N	524 59	17,445 10
Swampscott, . .	10,810 32	5,399 71	—	1,144 06	17,354 09
Wakefield, . .	—	5,225 59	11,118 54N	981 66	17,325 79
Waltham, . .	—	14,864 02	25,622 38s	2,898 84	43,385 24
Watertown, . .	18,688 47	7,838 93	14,490 71s	1,569 95	42,588 06
Wellesley, . .	—	7,044 98	—	1,556 19	8,601 17
Weston, . .	—	3,926 74	—	886 76	4,813 50
Westwood, . .	—	900 91	—	278 54	1,179 45
Weymouth, . .	—	2,723 59	—	844 28	3,567 87
Winchester, . .	—	9,996 65	13,793 19N	1,402 56	25,192 40
Winthrop, . .	15,404 73	6,188 94	13,841 23N	1,238 97	36,673 87
Woburn, . .	—	6,447 31	13,425 71N	1,182 73	21,055 75
	\$2,172,955 96	\$1,192,247 15 <sup>2</sup>	\$999,917 42 <sup>3</sup>	\$248,997 91	\$4,614,118 44

N, North System.

S, South System.

<sup>1</sup> Included in Boston.<sup>2</sup> Includes \$13,619.67 special assessments for Wellington Bridge and Alewife Brook.<sup>3</sup> Includes \$4,995 special sewerage assessment on Everett and Malden.

## STATEMENT I.

## METROPOLITAN WATER DISTRICT.

*Total Water Debt, April 1, 1914.*

Gross water debt, April 1, 1914:—

Bonds outstanding (sinking fund), . . . .	\$41,398,000 00	
Bonds outstanding (serial), . . . .	623,000 00	
	<hr/>	\$42,021,000 00

an increase for the year of \$248,000.

Sinking fund, April 1, 1914, . . . . .	10,905,870 79	
	<hr/>	

an increase for the year of \$960,279.65.

Net water debt, April 1, 1914, . . . . .	\$31,115,129 21	
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a decrease for the year of \$712,279.65.

*Total Water Assessment for 1914.*

Sinking fund requirements, . . . . .		\$280,333 00
Serial bonds, . . . . .	\$17,000 00	
Less premium, . . . . .	13,431 75	
	<hr/>	3,568 25

Interest:—

One year on \$41,763,000, . . . . .	\$1,406,210 00	
Six months on \$268,000, . . . . .	5,335 00	
Interest from Sept. 10, 1913, to March 19, 1914, on \$150,000, . . . . .	3,150 00	
Interest on advances and temporary loans esti- mated 1914, . . . . .	30,000 00	
Adjustment of interest charges in 1913, . . . .	2,154 75	

	<hr/>	\$1,446,849 75
Less accrued interest, . . . . .	2,043 70	
	<hr/>	1,444,806 05
Maintenance as appropriated by Legislature, . .	\$450,551 91	
Less balance on hand, . . . . .	6,303 25	
	<hr/>	444,248 66

Total water assessment for 1914, . . . . .	\$2,172,955 96	
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## METROPOLITAN WATER LOAN.

*Sinking Fund.*

BONDS ISSUED.	Due Date.	Sinking Fund Dec. 1, 1913.	Amount of Dec. 1, 1913, Sinking Fund at Maturity of Loan, Accumu- lations reckoned at 4 Per Cent.	Balance to be sunk.	Sinking Fund Re- quirements for 1914.
\$13,000,000	July, 1935	\$4,602,577 32	\$10,784,710 02	\$2,215,289 98	\$68,991 00
4,000,000	Jan., 1938	1,192,556 47	3,085,227 48	914,772 52	23,286 00
4,000,000	July, 1939	1,022,950 79	2,808,429 29	1,191,570 71	28,458 00
10,000,000	Jan., 1941	2,176,503 92	6,341,160 16	3,658,839 84	77,251 00
3,500,000	Jan., 1942	716,378 94	2,171,462 94	1,328,537 06	26,425 00
2,000,000	Jan., 1943	358,716 45	1,131,256 92	868,743 08	16,297 00
2,000,000	Jan., 1944	323,387 74	1,061,045 12	938,954 88	16,630 00
650,000	Jan., 1945	127,733 99	436,030 75	213,969 25	3,582 00
1,350,000	Jan., 1946	183,558 18	651,905 62	698,094 38	11,054 00
398,000	Jan., 1949	33,234 90	132,924 91	265,075 09	3,570 00
500,000	Jan., 1950	30,102 98	125,262 72	374,737 28	4,789 00
\$41,398,000	-	\$10,767,701 68 <sup>1</sup>	\$28,729,415 93	\$12,668,584 07	\$280,333 00

<sup>1</sup> This figure includes Stoneham's 1913 assessment, \$2,189.03, which was not paid till Dec. 10, 1913.

*Computations for determining the Assessment for 1914. (See Chapter 488, Acts of 1895, as amended in 1901, 1904 and 1906.)*

[The proportion to be paid by each city and town is based as follows: One-third in proportion to their respective valuations for the preceding year, and the remaining two-thirds in proportion to the consumption by the cities and towns, respectively, in the preceding year. The last column shows the total ratio to be paid by each city and town of the whole assessment. To find each city's and town's assessment, multiply the total assessment by the average ratio.]

CITIES AND TOWNS.	Valuation April 1, 1913.	Average Daily Con- sumption (Gallons), 1913.	RATIO OF TOTALS.		Average Ratio, Double Weight to Consump- tion.
			Valuation.	Consump- tion.	
Arlington, . . . .	\$15,069,561	786,300	.007,751,699	.007,571,665	.007,631,676
Belmont, . . . .	8,363,320	463,600	.004,302,046	.004,464,230	.004,410,169
Boston, . . . .	1,526,007,626	79,390,600	.784,969,929	.764,490,692	.771,317,104
Chelsea, . . . .	28,712,030	2,879,800	.014,769,310	.027,730,995	.023,410,433
Everett, . . . .	30,756,950	2,435,800	.015,821,206	.023,455,503	.020,910,737
Lexington, . . . .	8,669,318	359,300	.004,459,449	.003,459,874	.003,793,066
Malden, . . . .	41,731,530	2,225,700	.021,466,470	.021,432,348	.021,443,722
Medford, . . . .	28,731,150	1,233,700	.014,779,146	.011,879,897	.012,846,313
Melrose, . . . .	18,231,425	1,136,600	.009,378,145	.010,944,874	.010,422,631
Milton, . . . .	30,217,994	332,300	.015,543,970	.003,199,878	.007,314,575
Nahant, . . . .	9,116,897	169,100	.004,689,682	.001,628,346	.002,648,791
Newton, <sup>1</sup> . . . .	16,698,589	-	.008,589,662	-	.002,863,221
Quincy, . . . .	37,087,335	2,699,100	.019,077,521	.025,990,946	.023,686,471
Revere, . . . .	20,665,735	1,385,100	.010,630,341	.013,337,801	.012,435,314
Somerville, . . . .	72,163,864	5,958,000	.037,120,695	.057,372,479	.050,621,885
Stoneham, . . . .	5,358,880	414,400	.002,756,578	.003,990,459	.003,579,165
Swampscott, . . . .	13,285,759	420,100	.006,834,121	.004,045,347	.004,974,939
Watertown, . . . .	17,642,165	868,500	.009,075,033	.008,363,209	.008,600,484
Winthrop, . . . .	15,523,100	689,700	.007,984,997	.006,641,457	.007,089,304
	\$1,944,033,228	103,847,700	1,000,000,000	1,000,000,000	1,000,000,000

<sup>1</sup> In accordance with the provisions of the act above referred to, but one-fifth of the total valuation and no consumption has been taken, for at present this city has a sufficient supply, and has not made application for water.

## METROPOLITAN WATER LOAN.

*Division of Assessment for 1914.*

CITIES AND TOWNS.	Interest.	Sinking Funds.	Cost of Maintenance.	Serial Bonds.	Total Assessment.
Arlington, . . .	\$11,026 29	\$2,139 41	\$3,390 36	\$27 23	\$16,583 29
Belmont, . . .	6,371 84	1,236 32	1,959 21	15 74	9,583 11
Boston, . . .	1,114,403 62	216,225 64	342,656 60	2,752 25	1,676,038 11
Chelsea, . . .	33,823 54	6,562 72	10,400 05	83 53	50,869 84
Everett, . . .	30,211 96	5,861 97	9,289 57	74 62	45,438 12
Lexington, . . .	5,480 24	1,063 32	1,685 06	13 53	8,242 15
Malden, . . .	30,982 02	6,011 38	9,526 35	76 52	46,596 27
Medford, . . .	18,560 43	3,601 25	5,706 96	45 84	27,914 48
Melrose, . . .	15,058 68	2,921 81	4,630 24	37 19	22,647 92
Milton, . . .	10,568 14	2,050 52	3,249 49	26 10	15,894 25
Nahant, . . .	3,826 99	742 54	1,176 72	9 45	5,755 70
Newton, . . .	4,136 80	802 66	1,271 98	10 22	6,221 66
Quincy, . . .	34,222 36	6,640 10	10,522 68	84 52	51,469 66
Revere, . . .	17,966 62	3,486 03	5,524 37	44 37	27,021 39
Somerville, . . .	73,138 81	14,190 98	22,488 71	180 63	109,999 13
Stoncham, . . .	5,171 20	1,003 35	1,590 04	12 77	7,777 36
Swampscott, . . .	7,187 82	1,394 64	2,210 11	17 75	10,810 32
Watertown, . . .	12,426 03	2,411 00	3,820 75	30 69	18,688 47
Winthrop, . . .	10,242 66	1,987 36	3,149 41	25 30	15,404 73
	\$1,444,806 05	\$280,333 00	\$444,248 66	\$3,568 25	\$2,172,955 96



*Comparison of Total Assessments, 1913 and 1914, with Revenue from  
Water Rates in 1913.*

CITIES AND TOWNS.	WATER ASSESSMENTS.		Water Revenue received by Cities and Towns, 1913.
	1913.	1914.	
Arlington, . . . . .	\$20,491 56	\$16,583 29	\$49,103 40
Belmont, . . . . .	9,042 70	9,583 11	27,638 88 <sup>1</sup>
Boston, . . . . .	1,842,127 65	1,676,038 11	3,014,600 36 <sup>2</sup>
Chelsea, . . . . .	51,547 66	50,869 84	126,635 46
Everett, . . . . .	49,124 16	45,438 12	113,653 24 <sup>1</sup>
Lexington, . . . . .	8,267 34	8,242 15	26,503 98
Malden, . . . . .	47,126 88	46,596 27	108,743 77 <sup>2</sup>
Medford, . . . . .	27,916 12	27,914 48	69,464 00 <sup>3</sup>
Melrose, . . . . .	22,684 86	22,647 92	44,760 27 <sup>2</sup>
Milton, . . . . .	16,402 68	15,894 25	52,060 88
Nahant, . . . . .	6,181 89	5,755 70	12,255 49 <sup>3</sup>
Newton, . . . . .	6,680 74 <sup>4</sup>	6,221 66 <sup>4</sup>	—
Quincy, . . . . .	55,519 02	51,469 66	122,036 44 <sup>2</sup>
Revere, . . . . .	28,587 67	27,021 39	76,520 09 <sup>1</sup>
Somerville, . . . . .	116,320 88	109,999 13	242,067 05 <sup>2</sup>
Stoneham, . . . . .	10,213 41	7,777 36	25,232 59 <sup>2</sup>
Swampscott, . . . . .	11,254 35	10,810 32	40,596 51 <sup>5</sup>
Watertown, . . . . .	19,245 16	18,688 47	60,602 11 <sup>3</sup>
Winthrop, . . . . .	15,909 87	15,404 73	54,002 74
	\$2,364,644 60	\$2,172,955 96	\$4,266,477 26

<sup>1</sup> No money received for hydrant rentals or water used for street watering.

<sup>2</sup> No money received for hydrant rentals or water used for street watering and other municipal purposes.

<sup>3</sup> No money received for hydrant rentals.

<sup>4</sup> Not taking water from the district.

<sup>5</sup> No money received for water used for street watering.      ?

*Net Water Debt of Cities of the Original Metropolitan Water District.*

CITIES.	1913.	1914.	Decrease.
Boston, . . . . .	\$676,068 20	\$554,651 18	\$121,417 02
Somerville, . . . . .	38,000 00	32,000 00	6,000 00
Chelsea, . . . . .	149,687 00	134,230 00	15,457 00
Everett, . . . . .	65,845 78	59,213 71	6,632 07
Malden, . . . . .	53,583 01	42,313 02	11,269 99
Medford, <sup>1</sup> . . . . .	—8,159 33	—8,025 93	133 40 <sup>2</sup>
Melrose, . . . . .	87,217 01	82,363 91	4,853 10
	\$1,062,241 67	\$896,745 89	\$165,495 78

<sup>1</sup> Amount in sinking fund greater than outstanding debt.

<sup>2</sup> Increase.

## STATEMENT II.

## METROPOLITAN PARKS DISTRICT.

Gross parks debt, April 1, 1914:—

Bonds outstanding (sinking fund), . . . .	\$9,485,000 00	
Bonds outstanding (serial), . . . .	145,000 00	
	<hr/>	\$9,630,000 00

an increase for the year of \$9,750.

Sinking fund, April 1, 1914, . . . . .	2,755,485 21	
	<hr/>	

an increase for the year of \$227,643.77.

Net parks debt, April 1, 1914, . . . . .	\$6,874,514 79	
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a decrease for the year of \$217,893.77.

## BOULEVARDS.

Gross parks, series two (boulevards) debt (one-half), April 1, 1914:—

Bonds outstanding (sinking fund), . . . .	\$2,567,500 00	
Bonds outstanding (serial), . . . .	197,500 00	
	<hr/>	\$2,765,000 00

an increase for the year of \$97,500.

Sinking fund, April 1, 1914. . . . .	689,665 51	
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an increase for the year of \$67,204.62.

Net parks, series two (boulevards) debt, April 1, 1914, . . . .	\$2,075,334 49	
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an increase for the year of \$30,295.38.

## METROPOLITAN PARKS LOAN.

The total parks assessment for 1914 is made up as follows:—

Parks sinking fund, . . . . .	\$56,757 00	
Parks, series two, sinking fund, . . . . .	29,010 00	
Nantasket sinking fund, . . . . .	3,712 00	
Parks, serial bonds, . . . . .	\$8,750 00	
Less premium, . . . . .	542 22	
	<hr/>	8,207 78

Premium on parks, series two, serial bonds, . . . . .	\$5,473 00	
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Parks, series two, serial bonds, . . . . .	5,000 00	
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To be applied to serial bonds due Jan. 1, 1916, . . . . .	\$473 00	
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Parks interest:—

One year on \$8,912,500, . . . .	\$306,037 50	
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Six months on \$25,250, . . . .	498 13	
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Amounts carried forward, . . . . .	\$306,535 63	\$97,686 78
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<i>Amounts brought forward,</i>	\$306,535 63		\$97,686 78
Interest on advances and temporary loans estimated, 1914, .	10,000 00		
Adjustment of interest charges in 1913, . . . . .	1,895 58		
		\$318,431 21	
Less accrued interest, . . . . .		147 53	
			318,283 68
Parks, series two, interest:—			
One year on \$2,665,000, . . . . .	\$91,637 50		
Six months on \$102,500, . . . . .	2,050 00		
Interest on advances and temporary loans estimated, 1914, .	2,000 00		
		\$95,687 50	
Less adjustment of interest charges in 1913, . . . . .	\$1,258 96		
Less accrued interest, . . . . .	784 94		
		2,043 90	
			93,643 60
Nantasket interest:—			
One year on \$700,000, . . . . .			21,000 00
Parks maintenance, . . . . .	\$523,378 76		
Less balance on hand, . . . . .	14,189 48		
			509,189 28
Boulevard maintenance, one-half, . . . . .	\$110,464 53		
Less balance on hand, one-half, . . . . .	4,276 96		
			106,187 57
Nantasket maintenance, . . . . .	\$32,864 14		
Less balance on hand, . . . . .	2,819 80		
			30,044 34
Wellington Bridge maintenance, one-half, . . . . .	\$3,073 50		
Less balance on hand, one-half, . . . . .	481 27		
			2,592 23
Total parks assessment for 1914, . . . . .			\$1,178,627 48

## METROPOLITAN PARKS, INCLUDING BOULEVARDS AND NANTASKET.

*Total Assessments and Grand Total.*

CITIES AND TOWNS.	Total Sinking Fund.	Total Interest.	Total Maintenance.	Total Serial Bonds.	Grand Total.
Arlington, . . .	\$645 87	\$2,893 08	\$4,163 58	\$46 29	\$7,748 82
Belmont, . . .	360 28	1,610 82	2,315 54	25 61	4,312 25
Boston, . . .	49,617 61	245,949 60	372,374 44	4,879 77	672,821 42
Braintree, . . .	165 41	784 48	1,158 77	13 71	2,122 37
Brookline, . . .	3,935 75	19,446 52	29,386 91	381 91	53,151 09
Cambridge, . . .	4,747 58	22,961 77	34,379 56	437 31	62,526 22
Canton, . . .	117 78	558 72	825 37	9 77	1,511 64
Chelsea, . . .	1,196 48	5,701 59	8,477 86	105 80	15,481 73
Cohasset, . . .	13 36	75 60	108 16	-	197 12
Dedham, . . .	509 93	2,543 80	3,863 89	51 22	6,968 84
Dover, . . .	146 76	695 75	1,027 50	12 15	1,882 16
Everett, . . .	1,453 41	6,644 79	9,671 53	112 28	17,882 01
Hingham, . . .	177 28	840 72	1,241 82	14 69	2,274 51
Hull, . . .	142 86	677 29	1,000 21	11 82	1,832 18
Hyde Park, . . .	738 28	3,414 99	5,000 22	59 18	9,212 67
Lynn, . . .	2,931 95	14,735 49	22,475 12	302 95	40,445 51
Malden, . . .	2,050 24	9,675 55	14,312 48	175 24	26,213 51
Medford, . . .	1,932 39	7,873 84	10,716 10	93 73	20,616 06
Melrose, . . .	862 96	3,927 99	5,702 02	65 42	10,558 39
Milton, . . .	1,869 86	7,756 33	10,667 58	97 51	20,391 28
Nahant, . . .	716 86	2,626 08	3,313 14	17 07	6,673 15
Needham, . . .	226 12	1,131 83	1,722 26	22 98	3,103 19
Newton, . . .	2,812 90	13,984 23	21,202 21	279 06	38,278 40
Quincy, . . .	2,161 87	9,092 88	12,622 23	121 31	23,998 29
Revere, . . .	1,360 88	5,497 43	7,441 75	63 45	14,363 51
Saugus, . . .	234 62	1,186 37	1,814 90	24 71	3,260 60
Somerville, . . .	2,793 02	13,645 76	20,537 40	266 01	37,242 19
Stoneham, . . .	221 86	1,096 84	1,660 39	21 91	3,001 00
Swampscott, . . .	396 20	1,972 09	2,991 94	39 48	5,399 71
Wakefield, . . .	377 46	1,902 75	2,906 06	39 32	5,225 59
Waltham, . . .	1,078 75	5,417 21	8,257 17	110 89	14,864 02
Watertown, . . .	570 88	2,858 82	4,351 12	58 11	7,838 93
Wellesley, . . .	519 79	2,575 75	3,898 47	50 97	7,044 98
Weston, . . .	290 64	1,436 58	2,171 29	28 23	3,926 74
Westwood, . . .	70 17	332 95	491 96	5 83	900 91
Weymouth, . . .	212 42	1,006 85	1,486 76	17 56	2,723 59
Winchester, . . .	903 41	3,790 74	5,252 60	49 90	9,996 65
Winthrop, . . .	450 69	2,257 06	3,435 31	45 88	6,188 94
Woburn, . . .	464 42	2,346 34	3,587 80	48 75	6,447 31
	\$89,479 00	\$432,927 28	\$648,013 42	\$8,207 78	\$1,178,627 48 <sup>1</sup>

<sup>1</sup> Exclusive of \$13,610.67, special assessments for Wellington Bridge and Alewife Brook, which are included on page 5.

## METROPOLITAN PARKS.

*Proportions to be paid annually as found by Commissioners.*

CITIES AND TOWNS.	Parks, 1910-1915.	Boulevards, 1910-1915.	Nantasket, 1910-1915.
Boston, . . . . .	.59453	.46943	.60768
Cambridge, . . . . .	.05328	.05317	.04879
Chelsea, . . . . .	.01289	.01463	.01090
Everett, . . . . .	.01368	.02184	.01169
Lynn, . . . . .	.03691	.02480	.03168
Malden, . . . . .	.02135	.02644	.01925
Medford, . . . . .	.01142	.04294	.01038
Melrose, . . . . .	.00797	.01322	.00730
Newton, . . . . .	.03400	.02602	.03457
Quincy, . . . . .	.01478	.04393	.01309
Somerville, . . . . .	.03241	.02929	.02797
Waltham, . . . . .	.01351	.00919	.01222
Woburn, . . . . .	.00594	.00375	.00498
Arlington, . . . . .	.00564	.01057	.00515
Belmont, . . . . .	.00312	.00594	.00293
Braintree, . . . . .	.00167	.00208	.00277
Brookline, . . . . .	.04653	.03815	.05068
Canton, . . . . .	.00119	.00148	.00197
Cohasset, . . . . .	—	—	.00360
Dedham, . . . . .	.00624	.00459	.00609
Dover, . . . . .	.00148	.00185	.00245
Hingham, . . . . .	.00179	.00223	.00296
Hull, . . . . .	.00144	.00180	.00240
Hyde Park, . . . . .	.00721	.01052	.00643
Milton, . . . . .	.01188	.03957	.01284
Nahant, . . . . .	.00208	.02020	.00345
Needham, . . . . .	.00280	.00198	.00263
Revere, . . . . .	.00773	.03093	.00670
Saugus, . . . . .	.00301	.00188	.00249
Stoneham, . . . . .	.00267	.00214	.00222
Swampscott, . . . . .	.00481	.00363	.00482
Wakefield, . . . . .	.00479	.00311	.00414
Watertown, . . . . .	.00708	.00498	.00662
Wellesley, . . . . .	.00621	.00493	.00655
Weston, . . . . .	.00344	.00281	.00374
Westwood, . . . . .	.00071	.00088	.00117
Weymouth, . . . . .	.00214	.00268	.00356
Winchester, . . . . .	.00608	.01849	.00591
Winthrop, . . . . .	.00559	.00393	.00523
	1.00000	1.00000	1.00000

## METROPOLITAN PARKS LOAN.

*Sinking Fund.*

BONDS ISSUED.	Due Dates.	Sinking Fund Dec. 1, 1913.	Amount of Dec. 1, 1913, Sinking Fund at Maturity of Loan, Accumulations reckoned at 3 Per Cent.	Balance to be provided for.	Sinking Fund Re- quirements for 1914.
\$125,000	Jan., 1928	\$28,197 11	\$49,091 86	\$75,908 14	\$4,138 00
1,300,000	Jan., 1934	466,052 64	1,029,062 70	270,937 30	9,061 00
2,000,000	Jan., 1936	657,134 25	1,570,585 76	429,414 24	12,480 00
1,400,000	Jan., 1937	440,772 21	1,096,029 14	303,970 86	8,261 00
1,000,000	July, 1938	299,793 16	791,097 71	208,902 29	5,318 00
505,000	July, 1939	143,751 74	394,658 86	110,341 14	2,635 00
650,000	Jan., 1941	213,098 24	620,853 50	29,146 50	615 00
125,000	Jan., 1943	24,286 62	76,590 88	48,409 12	908 00
340,000	July, 1943	70,282 48	226,077 43	113,922 57	2,137 00
300,000	Jan., 1944	50,334 27	165,148 29	134,851 71	2,388 00
370,000	Jan., 1945	52,513 52	179,259 33	190,740 67	3,193 00
300,000	Jan., 1946	42,394 71	150,564 52	149,435 48	2,366 00
300,000	Jan., 1947	33,570 57	124,042 37	175,957 63	2,638 00
70,000	Jan., 1949	6,012 33	24,046 66	45,953 34	619 00
\$3,785,000	-	\$2,528,193 85 <sup>1</sup>	\$6,407,109 01	\$2,287,890 99	\$56,757 00

*Nantasket.*

\$600,000	July, 1939	\$172,561 59	\$473,754 00	\$126,246 00	\$3,015 00
100,000	Jan., 1941	22,990 01	66,980 51	33,019 49	697 00
\$700,000	-	\$195,551 60 <sup>1</sup>	\$540,734 51	\$159,265 49	\$3,712 00

<sup>1</sup> This total, \$2,723,745.45, includes Stoneham's 1913 assessment, \$301.95, which was not paid till Dec. 10, 1913.

## METROPOLITAN PARKS LOAN, SERIES TWO.

*Sinking Fund.*

BONDS ISSUED.	Due Dates.	Sinking Fund Dec. 1, 1913.	Amount of Dec. 1, 1913, Sinking Fund at Maturity of Loan, Accumulations reckoned at 3 Per Cent.	Balance to be provided for.	Sinking Fund Re- quirements for 1914.
\$250,000	Jan., 1934	\$96,186 35	\$174,483 81	\$75,516 19	\$2,804 00
300,000	Jan., 1936	105,790 44	203,681 82	96,318 18	3,146 00
500,000	Jan., 1937	168,935 82	335,088 62	164,911 38	5,068 00
50,000	July, 1938	16,068 01	32,834 63	17,165 37	497 00
250,000	July, 1939	77,061 89	162,233 96	87,766 04	2,400 00
225,000	Jan., 1940	52,064 65	112,921 63	112,078 37	2,898 00
162,500	July, 1940	44,650 57	96,841 43	65,658 57	1,698 00
55,000	Jan., 1943	11,194 56	26,548 35	28,451 65	627 00
150,000	July, 1943	26,837 56	63,646 35	86,353 65	1,903 00
150,000	Jan., 1944	26,032 55	63,603 24	86,396 76	1,809 00
150,000	Jan., 1945	21,637 09	51,461 98	95,538 02	1,903 00
150,000	Jan., 1946	16,630 53	43,125 37	106,874 63	2,028 00
150,000	Jan., 1947	16,803 21	44,890 15	105,109 85	1,901 00
25,000	Jan., 1949	1,795 90	5,092 20	19,907 80	328 00
\$2,567,500	-	\$681,689 13	\$1,419,453 54	\$1,148,046 46	\$29,010 00



## METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS AND NANTASKET.

*Sinking Fund Requirements.*

CITIES AND TOWNS.	Parks.	Boulevards.	Nantasket.	Total.
Arlington, . . .	\$320 00	\$306 64	\$19 12	\$645 87
Belmont, . . .	177 08	172 32	10 88	360 28
Boston, . . .	33,743 74	13,618 16	2,255 71	49,617 61
Braintree, . . .	94 79	60 34	10 28	165 41
Brookline, . . .	2,640 90	1,106 73	188 12	3,935 75
Cambridge, . . .	3,024 01	1,542 46	181 11	4,747 58
Canton, . . .	67 54	42 93	7 31	117 78
Chelsea, . . .	731 60	424 42	40 46	1,196 48
Cohasset, . . .	—	—	13 36	13 36
Dedham, . . .	354 16	133 16	22 61	509 93
Dover, . . .	84 00	53 67	9 09	146 76
Everett, . . .	776 44	633 58	43 39	1,453 41
Hingham, . . .	101 60	64 69	10 99	177 28
Hull, . . .	81 73	52 22	8 91	142 86
Hyde Park, . . .	409 22	305 19	23 87	738 28
Lynn, . . .	2,094 90	719 45	117 60	2,931 95
Malden, . . .	1,211 76	767 02	71 46	2,050 24
Medford, . . .	648 17	1,245 69	38 53	1,932 39
Melrose, . . .	452 35	383 51	27 10	862 96
Milton, . . .	674 27	1,147 93	47 66	1,869 86
Nahant, . . .	118 05	586 00	12 81	716 86
Needham, . . .	158 92	57 44	9 76	226 12
Newton, . . .	1,929 74	754 84	128 32	2,812 90
Quincy, . . .	838 87	1,274 41	48 59	2,161 87
Revere, . . .	438 73	897 28	24 87	1,360 88
Saugus, . . .	170 84	54 54	9 24	234 62
Somerville, . . .	1,839 49	849 70	103 83	2,793 02
Stoneham, . . .	151 54	62 08	8 24	221 86
Swampscott, . . .	273 00	105 31	17 89	396 20
Wakefield, . . .	271 87	90 22	15 37	377 46
Waltham, . . .	766 79	266 60	45 36	1,078 75
Watertown, . . .	401 84	144 47	24 57	570 88
Wellesley, . . .	352 46	143 02	24 31	519 79
Weston, . . .	195 24	81 52	13 88	290 64
Westwood, . . .	40 30	25 53	4 34	70 17
Weymouth, . . .	121 46	77 74	13 22	212 42
Winchester, . . .	345 08	536 39	21 94	903 41
Winthrop, . . .	317 27	114 01	19 41	450 69
Woburn, . . .	337 14	108 79	18 49	464 42
	\$56,757 00	\$29,010 00	\$3,712 00	\$89,479 00



## METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS AND NANTASKET.

*Interest Requirements.*

CITIES AND TOWNS.	Parks.	Boulevards.	Nantasket.	Total.
Arlington, . . .	\$1,795 12	\$989 81	\$108 15	\$2,893 08
Belmont, . . .	993 05.	556 24	61 53	1,610 82
Boston, . . .	189,229 20	43,959 12	12,761 28	245,949 60
Braintree, . . .	531 53	194 78	58 17	784 48
Brookline, . . .	14,809 74	3,572 50	1,064 28	19,446 52
Cambridge, . . .	16,958 15	4,979 03	1,024 59	22,961 77
Canton, . . .	378 76	138 59	41 37	558 72
Chelsea, . . .	4,102 68	1,370 01	228 90	5,701 59
Cohasset, . . .	—	—	75 60	75 60
Dedham, . . .	1,986 09	429 82	127 89	2,543 80
Dover, . . .	471 06	173 24	51 45	695 75
Everett, . . .	4,354 12	2,045 18	245 49	6,644 79
Hingham, . . .	569 73	208 83	62 16	840 72
Hull, . . .	458 33	168 56	50 40	677 29
Hyde Park, . . .	2,294 83	985 13	135 03	3,414 99
Lynn, . . .	11,747 85	2,322 36	665 28	14,735 49
Malden, . . .	6,795 36	2,475 94	404 25	9,675 55
Medford, . . .	3,634 80	4,021 06	217 98	7,873 84
Melrose, . . .	2,536 72	1,237 97	153 30	3,927 99
Milton, . . .	3,781 21	3,705 48	269 64	7,756 33
Nahant, . . .	662 03	1,891 60	72 45	2,626 08
Needham, . . .	891 19	185 41	55 23	1,131 83
Newton, . . .	10,821 65	2,436 61	725 97	13,984 23
Quincy, . . .	4,704 23	4,113 76	274 89	9,092 88
Revere, . . .	2,460 33	2,896 40	140 70	5,497 43
Saugus, . . .	958 03	176 05	52 29	1,186 37
Somerville, . . .	10,315 57	2,742 82	587 37	13,645 76
Stoneham, . . .	849 82	200 40	46 62	1,096 84
Swampscott, . . .	1,530 94	339 93	101 22	1,972 09
Wakefield, . . .	1,524 58	291 23	86 94	1,902 75
Waltham, . . .	4,300 01	860 58	256 62	5,417 21
Watertown, . . .	2,253 45	466 35	139 02	2,858 82
Wellesley, . . .	1,976 54	461 66	137 55	2,575 75
Weston, . . .	1,094 90	263 14	78 54	1,436 58
Westwood, . . .	225 98	82 40	24 57	332 95
Weymouth, . . .	681 13	250 96	74 76	1,006 85
Winchester, . . .	1,935 16	1,731 47	124 11	3,790 74
Winthrop, . . .	1,779 21	368 02	109 83	2,257 06
Woburn, . . .	1,890 60	351 16	104 58	2,346 34
	\$318,283 68	\$93,643 60	\$21,000 00	\$432,927 28

## METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS AND NANTASKET.

*Maintenance Requirements.*

CITIES AND TOWNS.	Parks.	Boulevards.	Nantasket.	Total.
Arlington, . . .	\$2,886 45	\$1,122 40	\$154 73	\$4,163 58
Belmont, . . .	1,596 76	630 75	88 03	2,315 54
Boston, . . .	304,269 46	49,847 63	18,257 35	372,374 44
Braintree, . . .	854 68	220 87	83 22	1,158 77
Brookline, . . .	23,813 20	4,051 06	1,522 65	29,386 91
Cambridge, . . .	27,267 71	5,645 99	1,465 86	34,379 56
Canton, . . .	609 02	157 16	59 19	825 37
Chelsea, . . .	6,596 86	1,553 52	327 48	8,477 86
Cohasset, . . .	—	—	108 16	108 16
Dedham, . . .	3,193 52	487 40	182 97	3,863 89
Dover, . . .	757 44	196 45	73 61	1,027 50
Everett, . . .	7,001 17	2,319 14	351 22	9,671 53
Hingham, . . .	916 09	236 80	88 93	1,241 82
Hull, . . .	736 96	191 14	72 11	1,000 21
Hyde Park, . . .	3,689 94	1,117 09	193 19	5,000 22
Lynn, . . .	18,889 86	2,633 45	951 81	22,475 12
Malden, . . .	10,926 53	2,807 60	578 35	14,312 48
Medford, . . .	5,844 54	4,559 70	311 86	10,716 10
Melrose, . . .	4,078 90	1,403 80	219 32	5,702 02
Milton, . . .	6,079 97	4,201 84	385 77	10,667 58
Nahant, . . .	1,064 50	2,144 99	103 65	3,313 14
Needham, . . .	1,432 99	210 25	79 02	1,722 26
Newton, . . .	17,400 58	2,763 00	1,038 63	21,202 21
Quincy, . . .	7,564 13	4,664 82	393 28	12,622 23
Revere, . . .	3,956 07	3,284 38	201 30	7,441 75
Saugus, . . .	1,540 46	199 63	74 81	1,814 90
Somerville, . . .	16,586 83	3,110 23	840 34	20,537 40
Stoneham, . . .	1,366 45	227 24	66 70	1,660 39
Swampscott, . . .	2,461 67	385 46	144 81	2,991 94
Wakefield, . . .	2,451 44	330 24	124 38	2,906 06
Waltham, . . .	6,914 17	975 86	367 14	8,257 17
Watertown, . . .	3,623 41	528 82	198 89	4,351 12
Wellesley, . . .	3,178 17	523 51	196 79	3,898 47
Weston, . . .	1,760 53	298 39	112 37	2,171 29
Westwood, . . .	363 36	93 45	35 15	491 96
Weymouth, . . .	1,095 22	284 58	106 96	1,486 76
Winchester, . . .	3,111 63	1,963 41	177 56	5,252 60
Winthrop, . . .	2,860 86	417 32	157 13	3,435 31
Woburn, . . .	3,039 98	398 20	149 62	3,587 80
	\$511,781 51	\$106,187 57	\$30,044 34	\$648,013 42

## METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS.

*Serial Bond Requirements.*

CITIES AND TOWNS.	Parks.	Boulevards.	Total.
Arlington, . . . . .	\$46 29	—	\$46 29
Belmont, . . . . .	25 61	—	25 61
Boston, . . . . .	4,879 77	—	4,879 77
Braintree, . . . . .	13 71	—	13 71
Brookline, . . . . .	381 91	—	381 91
Cambridge, . . . . .	437 31	—	437 31
Canton, . . . . .	9 77	—	9 77
Chelsea, . . . . .	105 80	—	105 80
Dedham, . . . . .	51 22	—	51 22
Dover, . . . . .	12 15	—	12 15
Everett, . . . . .	112 28	—	112 28
Hingham, . . . . .	14 69	—	14 69
Hull, . . . . .	11 82	—	11 82
Hyde Park, . . . . .	59 18	—	59 18
Lynn, . . . . .	302 95	—	302 95
Malden, . . . . .	175 24	—	175 24
Medford, . . . . .	93 73	—	93 73
Melrose, . . . . .	65 42	—	65 42
Milton, . . . . .	97 51	—	97 51
Nahant, . . . . .	17 07	—	17 07
Needham, . . . . .	22 98	—	22 98
Newton, . . . . .	279 06	—	279 06
Quincy, . . . . .	121 31	—	121 31
Revere, . . . . .	63 45	—	63 45
Saugus, . . . . .	24 71	—	24 71
Somerville, . . . . .	266 01	—	266 01
Stonham, . . . . .	21 91	—	21 91
Swampscott, . . . . .	39 48	—	39 48
Wakefield, . . . . .	39 32	—	39 32
Waltham, . . . . .	110 89	—	110 89
Watertown, . . . . .	58 11	—	58 11
Wellesley, . . . . .	50 97	—	50 97
Weston, . . . . .	28 23	—	28 23
Westwood, . . . . .	5 83	—	5 83
Weymouth, . . . . .	17 56	—	17 56
Winchester, . . . . .	49 90	—	49 90
Winthrop, . . . . .	45 88	—	45 88
Woburn, . . . . .	48 75	—	48 75
	\$8,207 78	—	\$8,207 78

*Wellington Bridge, Special Assessment.*

CITIES AND TOWNS.	Maintenance.	Per Cent.
Malden, . . . . .	\$725 83	14
Medford, . . . . .	985 05	19
Reading, . . . . .	51 84	1
Somerville, . . . . .	648 06	12½
Stoneham, . . . . .	181 46	3½
	\$2,592 24	50

*Alewife Brook (Chapter 529 of the Acts of 1906, as amended by Chapter 529 of the Acts of 1907; and Chapter 458 of the Acts of 1911).<sup>1</sup>*

CITIES AND TOWNS.	Assessment.	Interest.	Total.
Arlington, . . . . .	\$1,636 79	\$1,009 80	\$2,646 59
Belmont, . . . . .	1,159 39	715 27	1,874 66
Cambridge, . . . . .	3,205 38	1,977 51	5,182 89
Somerville, . . . . .	818 39	504 90	1,323 29
	\$6,819 95	\$4,207 48	\$11,027 43

<sup>1</sup> This table includes the fourth assessment and interest under chapter 529 of the Acts of 1906 and 1907 and the first assessment under chapter 458 of the Acts of 1911.

## STATEMENT III.

## METROPOLITAN SEWERAGE DISTRICT.

*Debt, North System.*

Gross sewerage, north system, debt, April 1, 1914:—

Bonds outstanding (sinking fund), . . . .	\$6,563,000 00	
Bonds outstanding (serial), . . . .	424,000 00	
	<hr/>	\$6,987,000 00

a decrease for the year of \$13,000.

Sinking fund, April 1, 1914, . . . . . 1,777,209 09

an increase for the year of \$183,597.87.

Net sewerage, north system, debt, April 1, 1914, . . . .	<hr/>	\$5,209,790 91
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a decrease for the year of \$196,597.87.

*Assessments, North System.*

Sinking fund requirements, . . . . .	\$95,094 00
Serial bonds, . . . . .	10,000 00

Interest:—

One year on \$6,931,000, . . . . .	\$217,175 00
Four months on \$10,000, . . . . .	133 33
Interest on advances and temporary loans esti- mated, 1914, . . . . .	3,000 00

	<hr/>	\$220,308 33
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Adjustment of interest charges in 1913, . . . . .	<hr/>	6,006 11
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214,302 22

Maintenance, . . . . .	\$209,875 00
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Less balance on hand, . . . . .	200 01
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	<hr/>	209,674 99
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Total north metropolitan sewerage assessment, . . . .	<hr/>	\$529,071 21
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EVERETT AND MALDEN, SPECIAL ASSESSMENT (CHAPTER 512, ACTS OF 1911).

Bonds issued, . . . . .	\$62,000 00	
Previously assessed, . . . . .	6,000 00	
Outstanding, . . . . .	\$56,000 00	
Serial bond due Jan. 1, 1915, . . . . .		\$3,000 00
Interest:—		
One year on \$53,000, . . . . .	\$1,855 00	
One year and four months on \$3,000, . . . . .	140 00	
		1,995 00
		<u>\$4,995 00</u>

Everett and Malden, one-half each.

METROPOLITAN SEWERAGE DISTRICT.

*Debt, South System.*

Gross sewerage, south system, debt, April 1, 1914:—

Bonds outstanding (sinking fund), . . . . . \$8,877,912 00

showing no change for the past year.

Sinking fund, April 1, 1914, . . . . . 1,004,195 67

an increase for the year of \$110,663.38.

Net sewerage, south system, debt, April 1, 1914, . . . . . \$7,873,716 33

a decrease for the year of \$110,663.38.

*Assessments, South System.*

Sinking fund requirements, . . . . .	\$56,506 00	
One year's interest on \$8,877,912, . . . . .	\$298,777 36	
Interest on advances and temporary loans estimated, 1914, . . . . .	4,000 00	
Adjustment of interest charges in 1913, . . . . .	609 50	
		<u>303,386 86</u>
Maintenance, . . . . .	\$114,070 00	
Less balance on hand, . . . . .	8,111 65	
		<u>105,958 35</u>
Total south metropolitan sewerage assessment, . . . . .		<u>\$465,851 21</u>

## METROPOLITAN SEWERAGE LOAN.

*North System — Assessment.*

CITIES AND TOWNS.	Sinking Fund.	Serial Bonds.	Interest.	Maintenance.	Total.
Arlington, . . .	\$3,014 48	\$317 00	\$6,793 38	\$4,487 04	\$14,611 90
Belmont, . . .	1,787 77	188 00	4,028 88	2,222 55	8,227 20
Boston, . . .	14,625 46	1,538 00	32,959 68	40,026 96	89,150 10
Cambridge, . .	21,538 79	2,265 00	48,539 45	41,997 90	114,341 14
Chelsea, . . .	4,973 42	523 00	11,208 00	12,999 85	29,704 27
Everett, . . .	5,429 87	571 00	12,236 66	13,419 20	31,656 73
Lexington, . .	960 45	101 00	2,164 45	1,593 53	4,819 43
Malden, . . .	7,693 10	809 00	17,337 05	17,780 44	43,619 59
Medford, . . .	4,992 43	525 00	11,250 87	9,267 64	26,035 94
Melrose, . . .	3,318 78	349 00	7,479 15	6,290 25	17,437 18
Revere, . . .	3,451 91	363 00	7,779 17	7,296 69	18,890 77
Somerville, . .	12,352 71	1,299 00	27,837 86	30,948 03	72,437 60
Stoneham, . . .	931 92	98 00	2,100 16	2,830 61	5,960 69
Wakefield, . .	1,949 43	205 00	4,393 20	4,570 91	11,118 54
Winchester, . .	2,995 46	315 00	6,750 52	3,732 21	13,793 19
Winthrop, . . .	2,909 88	306 00	6,557 65	4,067 70	13,841 23
Woburn, . . .	2,168 14	228 00	4,886 09	6,143 48	13,425 71
	\$95,094 00	\$10,000 00	\$214,302 22	\$209,674 99	\$529,071 21

## METROPOLITAN SEWERAGE LOAN, NORTH SYSTEM, SINKING FUND.

BONDS ISSUED AND AMOUNTS ALREADY PROVIDED FOR.	Due Date.	Sinking Fund Dec. 1, 1913.	Amount of Dec. 1, 1913, Sinking Fund at Maturity of Loan, Accumulations at 4 Per Cent.	Balance.	Portion of Balance to be provided for this Year.	Sinking Fund Requirements for 1914.
\$5,330,000 (2,265,250)	Jan., 1930	\$1,596,152 89	\$3,008,014 88	\$4,587,235 12	\$152,907 84	\$84,416 00
465,000 (180,125)	Jan., 1930	122,458 46	230,777 95	414,347 05	13,811 57	7,625 00
250,000 (35,417)	July, 1943	16,024 60	51,546 57	233,870 43	3,897 84	1,261 00
50,000 (7,083)	Jan., 1943	3,236 45	10,206 55	46,876 45	781 27	258 00
55,000 (7,792)	July, 1943	5,343 08	17,187 07	45,604 93	760 08	246 00
300,000 (18,750)	Jan., 1949	10,786 18	43,139 95	275,610 05	3,445 13	896 00
113,000 (6,277)	Jan., 1949	2,707 72	10,829 68	108,447 32	1,506 21	392 00
\$6,563,000 (2,520,691)	- Sunk.	\$1,750,709 47 <sup>1</sup>	\$3,371,702 65	\$5,711,991 35	\$177,109 94	\$95,094 00

<sup>1</sup> This figure includes Stoneham's 1913 assessment, \$1,155.57, which was not paid till Dec. 10, 1913.



## METROPOLITAN SEWERAGE LOAN, NORTH SYSTEM.

*Amounts provided for and to be provided for.*

BONDS ISSUED.	Due Date.	Amount provided for.	Amount to be provided for.	1914.
\$5,330,000	1930	$\frac{1}{2} + \frac{1}{8} + \frac{4}{30}$	$\frac{6}{30} + \frac{3}{8}$	$\frac{1}{30}$
265,000	1930	$\frac{70}{240} + \frac{4}{30}$	$\frac{6}{30} + \frac{3}{8}$	$\frac{1}{30}$
200,000	1930	$\frac{49}{240} + \frac{4}{30}$	$\frac{6}{30} + \frac{111}{240}$	$\frac{1}{30}$
300,000	1943	$\frac{1}{8} + \frac{1}{60}$	$\frac{9}{60} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{60}$
55,000	1943	$\frac{1}{8} + \frac{1}{60}$	$\frac{9}{60} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{60}$
300,000	1949	$\frac{5}{80}$	$\frac{5}{80} + \frac{1}{6} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{80}$
113,000	1949	$\frac{4}{72}$	$\frac{5}{72} + \frac{1}{6} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{72}$

## NORTH METROPOLITAN SYSTEM.

*Ratios of Contribution on the Basis of the Valuations of 1913 and the Census Returns of 1910. Assessments made by the Metropolitan Water and Sewerage Board.*

CITIES AND TOWNS.	State Valuation, Acts 1913, Chapter 607.	Proportion for Interest and Sinking Funds (Per Cent.).	Population United States Census 1910.	Proportion for Maintenance and Operation (Per Cent.).
Arlington, . . .	\$18,168,452	3.17	11,187	2.14
Belmont, . . .	10,789,904	1.88	5,542	1.06
Boston: —				
Charlestown, }				
East Boston, }	88,218,700	15.38	99,932	19.09
Cambridge, . . .	129,881,058	22.65	104,839	20.03
Chelsea, . . .	30,004,278	5.23	32,452	6.20
Everett, . . .	32,751,652	5.71	33,484	6.40
Lexington, . . .	5,788,900 <sup>1</sup>	1.01	4,000 <sup>2</sup>	0.76
Malden, . . .	46,389,388	8.09	44,404	8.48
Medford, . . .	30,102,933	5.25	23,150	4.42
Melrose, . . .	20,046,268	3.49	15,715	3.00
Revere, . . .	20,838,470	3.63	18,219	3.48
Somerville, . . .	74,496,160	12.99	77,236	14.76
Stoneham, . . .	5,599,552	0.98	7,090	1.35
Wakefield, . . .	11,759,792	2.05	11,404	2.18
Winchester, . . .	18,041,359	3.15	9,309	1.78
Winthrop, . . .	17,553,306	3.06	10,132	1.94
Woburn, . . .	13,052,791	2.28	15,308	2.93
	\$573,482,963	100.00	523,403	100.00

<sup>1</sup> 56.57 per cent. of the town valuation derived from figures certified by the clerk of the board of assessors.

<sup>2</sup> Population of Lexington sewerage district, certified by the clerk of the board of assessors.

## METROPOLITAN SEWERAGE LOAN.

*South System — Assessment.*

CITIES AND TOWNS.	Sinking Fund.	Interest.	Maintenance.	Total Assessment.
Boston, . . .	\$24,693 12	\$132,580 06	\$57,948 62	\$215,221 80
Brookline, . . .	12,809 91	68,777 80	8,434 29	90,022 00
Dedham, . . .	1,237 48	6,644 17	2,818 49	10,700 14
Milton, . . .	3,000 47	16,109 84	2,405 25	21,515 56
Newton, . . .	7,390 98	39,683 00	12,079 25	59,153 23
Quincy, . . .	3,017 42	16,200 86	9,907 11	29,125 39
Waltham, . . .	2,695 34	14,471 56	8,455 48	25,622 38
Watertown, . . .	1,661 28	8,919 57	3,909 86	14,490 71
	\$56,506 00	\$303,386 86	\$105,958 35	\$465,851 21

## METROPOLITAN SEWERAGE LOAN, SOUTH SYSTEM, SINKING FUND.

BONDS ISSUED AND AMOUNTS ALREADY PROVIDED FOR.	Due Date.	Sinking Fund Dec. 1, 1913.	Amount of Dec. 1, 1913, Sinking Fund at Ma- turity of Loan, Accu- mulations at 4 Per Cent.	Balance.	Portion of Balance to be provided for this Year.	Sinking Fund Require- ments for 1914.
\$800,000 (340,000)	Jan., 1930 Sunk.	\$237,336 84	\$447,270 90	\$692,729 10	\$23,090 97	\$12,748 00
839,000 (230,725)	Mar., 1935 Sunk.	139,183 86	319,739 35	749,985 65	12,499 76	5,661 00
65,000 (16,791)	Mar., 1936 Sunk.	9,733 10	23,262 63	58,528 37	975 47	425 00
1,024,912 (213,523)	July, 1939 Sunk.	111,334 43	305,659 74	932,775 26	15,546 25	5,891 00
3,586,000 (687,317)	July, 1940 Sunk.	341,714 57	976,051 19	3,297,265 81	54,954 43	20,017 00
996,000 (141,100)	Jan., 1943 Sunk.	64,285 73	202,733 04	934,366 96	15,572 78	5,138 00
392,000 (49,000)	July, 1944 Sunk.	20,798 83	69,606 43	371,393 57	6,189 89	1,924 00
175,000 (17,014)	Jan., 1946 Sunk.	13,366 74	47,471 89	144,542 11	2,007 53	588 00
1,000,000 (93,750)	Jan., 1946 Sunk.	54,874 33	194,885 81	898,864 19	14,044 75	4,114 00
8,877,912 (1,789,220)	- Sunk.	\$992,628 43	\$2,586,680 98	\$8,080,451 02	\$144,881 83	\$56,506 00

## METROPOLITAN SEWERAGE LOAN, SOUTH SYSTEM.

*Amounts provided for and to be provided for.*

BONDS ISSUED.	Due Date.	Amount provided for.	Amount to be provided for.	1914.
\$800,000	1930	$\frac{1}{8} + \frac{1}{6} + \frac{4}{30}$	$\frac{6}{30} + \frac{3}{8}$	$\frac{1}{30}$
839,000	1935	$\frac{1}{8} + \frac{9}{60}$	$\frac{1}{60} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{60}$
65,000	1936	$\frac{1}{8} + \frac{8}{60}$	$\frac{2}{60} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{60}$
1,024,912	1939	$\frac{1}{8} + \frac{5}{60}$	$\frac{5}{60} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{60}$
3,586,000	1940	$\frac{1}{8} + \frac{4}{60}$	$\frac{6}{60} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{60}$
996,000	1943	$\frac{1}{8} + \frac{1}{60}$	$\frac{9}{60} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{60}$
392,000	1944	$\frac{1}{8}$	$\frac{10}{60} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{60}$
175,000	1946	$\frac{7}{2}$	$\frac{7}{2} + \frac{1}{6} + \frac{1}{3} + \frac{3}{8}$	$\frac{7}{2}$
1,000,000	1946	$\frac{6}{64}$	$\frac{2}{64} + \frac{1}{6} + \frac{1}{3} + \frac{3}{8}$	$\frac{1}{64}$

## SOUTH METROPOLITAN SYSTEM.

*Ratios of Contribution on the Basis of the Valuations of 1913 and the Census Returns of 1910. Assessments made by the Metropolitan Water and Sewerage Board.*

CITIES AND TOWNS.	State Valuation, Acts 1913, Chapter 607.	Proportion for Interest and Sinking Funds (Per Cent.).	Population United States Census 1910.	Proportion for Maintenance and Operation (Per Cent.).
Waltham, . . . .	\$33,292,633	4.77	27,834	7.98
Watertown, . . . .	20,541,610	2.94	12,875	3.69
Newton, . . . .	91,317,225	13.08	39,806	11.40
Boston, . . . .	305,170,800	43.70	190,933	54.69
Brighton District, . .	\$45,923,000	-	26,575	-
Back Bay District, . .	75,335,100	-	18,048	-
Roxbury District, . .	52,353,600	-	45,957	-
West Roxbury District, .	47,404,500	-	28,608	-
Dorchester District, .	65,858,000	-	56,243	-
Hyde Park District, .	18,241,600	-	15,507	-
Brookline, . . . .	158,297,618	22.67	27,792	7.96
Dedham, . . . .	15,325,221 <sup>1</sup>	2.19	9,284	2.66
Milton, . . . .	37,069,363	5.31	7,924	2.27
Quincy, . . . .	37,250,883	5.34	32,642	9.35
	\$698,265,353	100.00	349,095	100.00

<sup>1</sup> 96.84 per cent. of the town valuation derived from figures certified by the chairman of the board of assessors.

## METROPOLITAN PARKS AND SEWERAGE LOANS.

*Comparison of Assessments, 1913 and 1914.*

CITIES AND TOWNS.	PARKS.		SEWER.	
	1913.	1914.	1913.	1914.
Arlington, . .	\$9,977 80	\$10,395 41	\$14,547 74	\$14,611 90
Belmont, . .	5,924 64	6,186 91	8,274 66	8,227 20
Boston, . .	653,862 80	672,821 42	307,449 26	304,371 90
Braintree, . .	2,071 58	2,122 37	—	—
Brookline, . .	51,678 94	53,151 09	93,828 71	90,022 00
Cambridge, . .	65,521 91	67,709 11	111,944 92	114,341 14
Canton, . .	1,475 44	1,511 64	—	—
Chelsea, . .	15,033 21	15,481 73	28,507 06	29,704 27
Cohasset, . .	219 15	197 12	—	—
Dedham, . .	6,769 87	6,968 84	11,049 18	10,700 14
Dover, . .	1,837 08	1,882 16	—	—
Everett, . .	17,373 30	17,882 01	33,050 51	34,154 23
Hingham, . .	2,219 99	2,274 51	—	—
Hull, . .	1,788 43	1,832 18	—	—
Hyde Park, . .	8,951 24	9,212 67	— <sup>1</sup>	— <sup>1</sup>
Lexington, . .	—	—	4,766 98	4,819 43
Lynn, . .	39,254 52	40,445 51	—	—
Malden, . .	26,173 29	26,939 34	44,771 69	46,117 09
Medford, . .	21,023 92	21,601 11	25,571 59	26,035 94
Melrose, . .	10,262 39	10,558 39	17,103 24	17,437 18
Milton, . .	19,856 84	20,391 28	22,403 21	21,515 56
Nahant, . .	6,516 65	6,673 15	—	—
Needham, . .	3,013 72	3,103 19	—	—
Newton, . .	37,197 46	38,278 40	61,282 25	59,153 23
Quincy, . .	23,343 79	23,998 29	29,948 08	29,125 39
Reading, . .	50 50	51 84	—	—
Revere, . .	13,978 19	14,363 51	18,396 39	18,890 77
Saugus, . .	3,163 66	3,260 60	—	—
Somerville, . .	38,011 41	39,213 54	69,725 37	72,437 60
Stoneham, . .	3,089 37	3,182 46	5,659 41	5,960 69
Swampscott, . .	5,246 64	5,399 71	—	—
Wakefield, . .	5,071 78	5,225 59	10,751 56	11,118 54
Waltham, . .	14,431 32	14,864 02	26,360 93	25,622 38
Watertown, . .	7,612 62	7,838 93	14,958 08	14,490 71
Wellesley, . .	6,848 06	7,044 98	—	—
Weston, . .	3,817 92	3,926 74	—	—
Westwood, . .	879 30	900 91	—	—
Weymouth, . .	2,658 50	2,723 59	—	—
Winchester, . .	9,728 40	9,996 65	13,871 08	13,793 19
Winthrop, . .	6,010 27	6,188 94	13,830 69	13,841 23
Woburn, . .	6,256 20	6,447 31	12,810 93	13,425 71
	\$1,158,202 10	\$1,192,247 15	\$1,000,863 52	\$999,917 42

<sup>1</sup> Included in Boston.

## STATEMENT IV.

## CHARLES RIVER BASIN.

Gross Charles River Basin debt, April 1, 1914: —

Bonds outstanding (sinking fund), . . . .	\$4,125,000 00	
Bonds outstanding (serial), . . . .	316,000 00	
	<hr/>	\$4,441,000 00

an increase for the year of \$32,000.

Sinking fund, April 1, 1914, . . . . . 690,510 91

an increase for the year of \$71,528.94.

Net Charles River Basin debt, April 1, 1914, . . . . .	\$3,750,489 09
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a decrease for the year of \$39,528.94.

## TOTAL CHARLES RIVER BASIN LOAN — ASSESSMENT FOR 1914.

*District.*

Serial bonds, . . . . .	\$9,000 00	
Less premium, . . . . .	2,189 09	
	<hr/>	\$6,810 91

Interest: —

One year on \$4,401,000, . . .	\$151,910 00
Six months on \$48,000, . . .	540 00

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\$152,450 00

Adjustment of interest charges in

1913, . . . . .	\$92 74
Interest on bridge, . . . . .	41,381 82
Accrued interest, . . . . .	324 38

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41,798 94

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110,651 06

Maintenance, . . . . . \$132,111 20

Less balance on hand, . . . . . 575 26

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131,535 94

Total Charles River Basin district assessment, . . . . .	\$248,997 91
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*Charles River Bridge.*

Sinking fund, . . . . .	\$8,870 00
Interest, . . . . .	41,381 82

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\$50,251 82

Boston and Cambridge one-half each.

## CHARLES RIVER BASIN LOAN SINKING FUND.

*District.*

BONDS ISSUED.	Due Date.	Sinking Fund Dec. 1, 1913.	Amount of Dec. 1, 1913, Sinking Fund at Ma- turity of Loan, Accu- mulations at 4 Per Cent.	Balance.	Sinking Fund Require- ments for 1914.
\$177,272 73	Jan., 1944	\$151,659 47	\$497,599 38	-	-
283,636 36	Jan., 1945	260,145 22	888,027 66	-	-
425,454 55	Jan., 1946	251,940 33	894,764 36	-	-
815,454 55	Jan., 1947	324,886 19	1,200,445 86	-	-
283,636 36	Jan., 1948	79,571 89	305,894 27	-	-
602,727 28	Jan., 1949	100,157 09	400,584 10	-	-
336,818 17	Jan., 1950	12,897 20	53,667 06	-	-
\$2,925,000 00	-	\$1,181,257 39 <sup>1</sup>	\$4,240,982 69	-	-

*Boston and Cambridge, Charles River Bridge.*

\$72,727 27	Jan., 1944	\$18,060 81	\$59,258 07	\$13,469 20	\$239 00
116,363 64	Jan., 1945	30,490 32	104,081 28	12,282 36	206 00
174,545 45	Jan., 1946	31,563 68	112,098 19	62,447 26	989 00
334,545 45	Jan., 1947	44,084 84	162,892 32	171,653 13	2,573 00
116,363 64	Jan., 1948	11,794 90	45,342 55	71,021 09	1,009 00
247,272 72	Jan., 1949	17,755 86	71,015 59	176,257 13	2,374 00
138,181 83	Jan., 1950	5,377 05	22,374 66	115,807 17	1,480 00
\$1,200,000 00	-	\$159,127 46	\$577,062 66	\$622,937 34	\$8,870 00

<sup>1</sup> Includes \$659,779.54 balance of cost of embankment which is due from city of Boston.

## CHARLES RIVER BASIN LOAN.

*Proportions to be paid annually as found by Commissioners.*

CITIES AND TOWNS.	For Interest and Sinking Fund Requirements.	For Maintenance Requirements.
Arlington, . . . . .	.00462	.00517
Belmont, . . . . .	.00263	.00294
Boston, . . . . .	.60021	.60987
Braintree, . . . . .	.00248	.00278
Brookline, . . . . .	.04545	.05087
Cambridge, . . . . .	.09501	.04897
Canton, . . . . .	.00177	.00198
Chelsea, . . . . .	.00977	.01094
Dedham, . . . . .	.00547	.00612
Dover, . . . . .	.00220	.00246
Everett, . . . . .	.01048	.01173
Hingham, . . . . .	.00266	.00298
Hull, . . . . .	.00215	.00241
Hyde Park, . . . . .	.00577	.00646
Lynn, . . . . .	.02841	.03180
Malden, . . . . .	.01726	.01932
Medford, . . . . .	.00930	.01041
Melrose, . . . . .	.00654	.00732
Milton, . . . . .	.01152	.01289
Nahant, . . . . .	.00310	.00347
Needham, . . . . .	.00236	.00264
Newton, . . . . .	.03099	.03469
Quincy, . . . . .	.01173	.01313
Revere, . . . . .	.00600	.00672
Saugus, . . . . .	.00223	.00250
Somerville, . . . . .	.02508	.02807
Stoneham, . . . . .	.00198	.00222
Swampscott, . . . . .	.00432	.00484
Wakefield, . . . . .	.00371	.00415
Waltham, . . . . .	.01095	.01226
Watertown, . . . . .	.00593	.00664
Wellesley, . . . . .	.00588	.00658
Weston, . . . . .	.00335	.00375
Westwood, . . . . .	.00105	.00118
Weymouth, . . . . .	.00319	.00357
Winchester, . . . . .	.00530	.00593
Winthrop, . . . . .	.00468	.00524
Woburn, . . . . .	.00447	.00500
	1.00000	1.00000



## CHARLES RIVER BASIN LOAN — ASSESSMENT.

CITIES AND TOWNS.	Interest Re- quirements.	Cost of Maintenance.	Serial Bonds.	Total Assessment.
Arlington, . . .	\$511 21	\$680 04	\$31 47	\$1,222 72
Belmont, . . .	291 01	386 72	17 91	695 64
Boston, . . .	66,413 87	80,219 82	4,087 98	150,721 67
Braintree, . . .	274 41	365 67	16 89	656 97
Brookline, . . .	5,029 09	6,691 23	309 56	12,029 88
Cambridge, . . .	10,512 96	6,441 32	647 10	17,601 38
Canton, . . .	195 85	260 44	12 06	468 35
Chelsea, . . .	1,081 06	1,439 00	66 54	2,586 60
Dedham, . . .	605 26	805 00	37 26	1,447 52
Dover, . . .	243 43	323 58	14 98	581 99
Everett, . . .	1,159 62	1,542 92	71 38	2,773 92
Hingham, . . .	294 33	391 98	18 12	704 43
Hull, . . .	237 90	317 00	14 64	569 54
Hyde Park, . . .	638 46	849 72	39 30	1,527 48
Lynn, . . .	3,143 60	4,182 84	193 50	7,519 94
Malden, . . .	1,909 84	2,541 27	117 56	4,568 67
Medford, . . .	1,029 05	1,369 29	63 34	2,461 68
Melrose, . . .	723 66	962 84	44 54	1,731 04
Milton, . . .	1,274 70	1,695 50	78 46	3,048 66
Nahant, . . .	343 02	456 43	21 11	820 56
Needham, . . .	261 14	347 26	16 07	624 47
Newton, . . .	3,429 08	4,562 98	211 07	8,203 13
Quincy, . . .	1,297 94	1,727 07	79 89	3,104 90
Revere, . . .	663 91	883 92	40 87	1,588 70
Saugus, . . .	246 75	328 84	15 19	590 78
Somerville, . . .	2,775 13	3,692 21	170 82	6,638 16
Stoneham, . . .	219 09	292 01	13 49	524 59
Swampscott, . . .	478 01	636 63	29 42	1,144 06
Wakefield, . . .	410 51	545 88	25 27	981 66
Waltham, . . .	1,211 63	1,612 63	74 58	2,898 84
Watertown, . . .	656 16	873 40	40 39	1,569 95
Wellesley, . . .	650 63	865 51	40 05	1,556 19
Weston, . . .	370 68	493 26	22 82	886 76
Westwood, . . .	116 18	155 21	7 15	278 54
Weymouth, . . .	352 98	469 58	21 72	844 28
Winchester, . . .	586 45	780 01	36 10	1,402 56
Winthrop, . . .	517 85	689 25	31 87	1,238 97
Woburn, . . .	494 61	657 68	30 44	1,182 73
	\$110,651 06	\$131,535 94	\$6,810 91	\$248,997 91

## CHARLES RIVER BASIN DEBT ANALYZED.

DEBT.	Total.	Cambridge, Charles River Bridge.	Boston, Charles River Bridge.	Boston Embank- ment.	District.
Gross debt, . . .	\$4,441,000 00	\$600,000 00	\$600,000 00	\$847,636 43	\$2,393,363 57
Sinking fund, . . .	697,281 61	81,283 11	81,283 11	189,825 24	344,890 15
Net debt, . . .	\$3,743,718 39	\$518,716 89	\$518,716 89	\$657,811 19	\$2,048,473 42

## STATEMENT OF THE DEBTS OF THE METRO

		METROPOLITAN PARKS.		METROPOLITAN PARKS, NANTASKET.		METROPOLITAN PARKS, BOULEVARDS.	
Bonds outstanding (sinking fund), . .		\$8,785,000 00		\$700,000 00		\$2,567,500 00	
Bonds outstanding (serial), . . .		145,000 00		—		197,500 00	
Gross debt, . . . . .		\$8,930,000 00		\$700,000 00		\$2,765,000 00	
Sinking funds, July 1, 1914, . .		2,582,695 27		199,767 19		696,417 60	
Net debt, . . . . .		\$6,347,304 73		\$500,232 81		\$2,068,582 40	
		Per Cent.		Per Cent.		Per Cent.	
1	Arlington, . . . . .	.00564	\$35,798 80	.00515	\$2,576 20	.01057	\$21,864 92
2	Belmont, . . . . .	.00312	19,803 59	.00293	1,465 68	.00594	12,287 38
3	Boston, . . . . .	.59453	3,773,663 08	.60768	303,981 48	.46943	971,054 64
4	Braintree, . . . . .	.00167	10,600 00	.00277	1,383 64	.00208	4,302 65
5	Brookline, . . . . .	.04653	295,340 08	.05068	25,351 80	.03815	78,916 42
6	Cambridge, . . . . .	.05328	338,184 40	.04879	24,406 36	.05317	109,986 53
7	Canton, . . . . .	.00119	7,553 29	.00197	985 46	.00148	3,061 50
8	Chelsea, . . . . .	.01289	81,816 76	.01090	5,452 54	.01463	30,263 36
9	Cohasset, . . . . .	—	—	.00360	1,800 83	—	—
10	Dedham, . . . . .	.00624	39,607 18	.00609	3,046 42	.00459	9,494 79
11	Dover, . . . . .	.00148	9,394 01	.00245	1,225 57	.00185	3,826 88
12	Everett, . . . . .	.01368	86,831 13	.01169	5,847 72	.02184	45,177 84
13	Hingham, . . . . .	.00179	11,361 68	.00296	1,480 69	.00223	4,612 94
14	Hull, . . . . .	.00144	9,140 12	.00240	1,200 56	.00180	3,723 45
15	Hyde Park, . . . . .	.00721	45,764 07	.00643	3,216 50	.01052	21,761 49
16	Lexington, . . . . .	—	—	—	—	—	—
17	Lynn, . . . . .	.03691	234,279 02	.03168	15,847 38	.02480	51,300 84
18	Malden, . . . . .	.02135	135,514 96	.01925	9,629 48	.02644	54,693 32
19	Medford, . . . . .	.01142	72,486 22	.01038	5,192 42	.04294	88,824 93
20	Melrose, . . . . .	.00797	50,588 02	.00730	3,651 70	.01322	27,346 66
21	Milton, . . . . .	.01188	75,405 98	.01284	6,422 99	.03957	81,853 81
22	Nahant, . . . . .	.00208	13,202 39	.00345	1,725 80	.02020	41,785 36
23	Needham, . . . . .	.00280	17,772 45	.00263	1,315 61	.00198	4,095 79
24	Newton, . . . . .	.03400	215,808 36	.03457	17,293 05	.02602	53,824 51
25	Quincy, . . . . .	.01478	93,813 16	.01309	6,548 05	.04393	90,872 82
26	Revere, . . . . .	.00773	49,064 67	.00670	3,351 56	.03093	63,981 25
27	Saugus, . . . . .	.00301	19,105 39	.00249	1,245 58	.00188	3,888 93
28	Somerville, . . . . .	.03241	205,716 15	.02797	13,991 51	.02929	60,588 73
29	Stoneham, . . . . .	.00267	16,947 30	.00222	1,110 52	.00214	4,426 77
30	Swampscott, . . . . .	.00481	30,530 54	.00482	2,411 12	.00363	7,508 95
31	Wakefield, . . . . .	.00479	30,403 59	.00414	2,070 96	.00311	6,433 29
32	Waltham, . . . . .	.01351	85,752 09	.01222	6,112 84	.00919	19,010 27
33	Watertown, . . . . .	.00708	44,938 92	.00662	3,311 54	.00498	10,301 54
34	Wellesley, . . . . .	.00621	39,416 76	.00655	3,276 52	.00493	10,198 11
35	Weston, . . . . .	.00344	21,834 73	.00374	1,870 87	.00281	5,812 72
36	Westwood, . . . . .	.00071	4,506 58	.00117	585 27	.00088	1,820 35
37	Weymouth, . . . . .	.00214	13,583 23	.00356	1,780 83	.00268	5,513 80
38	Winchester, . . . . .	.00608	38,591 61	.00591	2,956 38	.01849	38,248 09
39	Winthrop, . . . . .	.00559	35,481 43	.00523	2,616 22	.00393	8,129 53
40	Woburn, . . . . .	.00594	37,702 99	.00498	2,491 16	.00375	7,757 19
		1.00000	\$6,347,304 73	1.00000	\$500,232 81	1.00000	\$2,068,582 40

<sup>1</sup> See preceding page for details.<sup>2</sup> District proportion.

## POLITAN DISTRICT (ACTS OF 1911, CHAPTER 526).

METROPOLITAN SEWERAGE, NORTH SYSTEM.		METROPOLITAN SEWERAGE, SOUTH SYSTEM.		METROPOLITAN WATER.		CHARLES RIVER BASIN.			
\$6,563,000 00		\$8,877,912 00		\$41,398,000 00		\$4,125,000 00			
424,000 00		—		623,000 00		316,000 00		TOTALS.	
\$6,987,000 00		\$8,877,912 00		\$42,021,000 00		\$4,441,000 00			
1,794,608 64		1,014,027 13		11,024,003 48		697,281 61			
\$5,192,391 36		\$7,863,884 87		\$30,996,996 52		\$3,743,718 39 <sup>1</sup>			
5,136,391 36 <sup>2</sup>						2,048,473 42 <sup>2</sup>			
Per Cent.		Per Cent.		Per Cent.		Per Cent.			
.0317	\$162,823 61	—	—	.007631676	\$236,559 03	.00462	\$9,463 95	\$469,086 51	1
.0188	96,564 16	—	—	.004410169	136,701 99	.00263	5,387 48	272,210 28	2
.1538	789,976 99	.4370	\$3,436,517 69	.771317104	23,908,513 59	.60021	2,406,042 31	35,589,749 78	3
—	—	—	—	—	—	.00248	5,080 21	21,368 50	4
—	—	.2267	1,782,742 70	—	—	.04545	93,103 12	2,275,454 12	5
.2265	1,163,392 64	—	—	—	—	.09501	713,342 34	2,349,312 27	6
—	—	—	—	—	—	.00177	3,625 80	15,226 05	7
.0523	268,633 27	—	—	.023410433	725,653 11	.00977	20,013 59	1,131,832 63	8
—	—	—	—	—	—	—	—	1,800 83	9
—	—	.0219	172,219 08	—	—	.00547	11,205 15	235,572 62	10
—	—	—	—	—	—	.00220	4,506 64	18,953 10	11
.0571	321,287 95	—	—	.020910737	648,170 04	.01048	21,463 00	1,128,782 68	12
—	—	—	—	—	—	.00266	5,448 94	22,904 25	13
—	—	—	—	—	—	.00215	4,404 22	18,468 35	14
—	—	—	—	—	—	.00577	11,819 69	82,561 75	15
.0101	51,877 55	—	—	.003793066	117,573 65	—	—	169,451 20	16
—	—	—	—	—	—	.02841	58,197 13	359,624 37	17
.0809	443,534 06	—	—	.021443722	664,690 98	.01726	35,356 65	1,343,419 45	18
.0525	269,660 55	—	—	.012846313	398,197 12	.00930	19,050 80	853,412 04	19
.0349	179,260 06	—	—	.010422631	323,070 26	.00654	13,397 02	597,313 72	20
—	—	.0531	417,572 29	.007314575	226,729 86	.01152	23,598 41	831,583 34	21
—	—	—	—	.002648791	82,104 57	.00310	6,350 26	145,168 38	22
—	—	—	—	—	—	.00236	4,834 40	28,018 25	23
—	—	.1308	1,028,596 14	.002863221	88,751 25	.03099	63,482 19	1,467,755 50	24
—	—	.0534	419,931 45	.023686471	734,209 46	.01173	24,028 59	1,369,403 53	25
.0363	186,451 01	—	—	.012435314	385,457 38	.00600	12,290 84	700,596 71	26
—	—	—	—	—	—	.00223	4,568 10	28,808 00	27
.1299	667,217 24	—	—	.050621885	1,569,126 39	.02508	51,375 71	2,568,015 78	28
.0098	50,336 64	—	—	.003579165	110,943 37	.00198	4,055 98	187,820 58	29
—	—	—	—	.004974939	154,208 17	.00432	8,849 41	203,508 19	30
.0205	105,296 02	—	—	—	—	.00371	7,599 84	151,803 70	31
—	—	.0477	375,107 31	—	—	.01095	22,430 78	508,413 29	32
—	—	.0294	231,198 21	.008600484	266,589 17	.00593	12,147 45	568,486 83	33
—	—	—	—	—	—	.00588	12,045 02	64,936 41	34
—	—	—	—	—	—	.00335	6,862 39	36,380 71	35
—	—	—	—	—	—	.00105	2,150 90	9,063 10	36
—	—	—	—	—	—	.00319	6,534 63	27,442 49	37
.0315	161,796 32	—	—	—	—	.00530	10,856 91	252,449 31	38
.0306	157,173 57	—	—	.007089304	219,747 13	.00468	9,586 86	432,734 74	39
.0228	117,109 72	—	—	—	—	.00447	9,156 68	174,217 74	40
1.0000	\$5,192,391 36	1.0000	\$7,863,884 87	1.000000000	\$30,996,996 52	1.00000	\$3,743,718 39	\$56,713,111 08	

<sup>3</sup> Includes \$28,000, share of special loan, chapter 512, Acts of 1911.

## SINKING FUND TABLE.

One dollar put in each year, with interest at the rate of 4 per cent. per annum, compounded semiannually, amounts to the following in from 1 to 36 years, both inclusive:—

\$1 for 1 year	= 1.04040000	\$1 each year for 19 years	= 28.90197165
\$1 in 2 years	= 1.08243216	\$1 in 20 years	= 2.20803964
\$1 each year for 2 years	= 2.12283216	\$1 each year for 20 years	= 31.11001129
\$1 in 3 years	= 1.12616241	\$1 in 21 years	= 2.29724444
\$1 each year for 3 years	= 3.24899457	\$1 each year for 21 years	= 33.40725573
\$1 in 4 years	= 1.17165938	\$1 in 22 years	= 2.39005311
\$1 each year for 4 years	= 4.42065395	\$1 each year for 22 years	= 35.79730884
\$1 in 5 years	= 1.21899441	\$1 in 23 years	= 2.48661126
\$1 each year for 5 years	= 5.63964836	\$1 each year for 23 years	= 38.28392010
\$1 in 6 years	= 1.26824179	\$1 in 24 years	= 2.58707035
\$1 each year for 6 years	= 6.90789015	\$1 each year for 24 years	= 40.87099045
\$1 in 7 years	= 1.31947875	\$1 in 25 years	= 2.69158799
\$1 each year for 7 years	= 8.22736890	\$1 each year for 25 years	= 43.56257844
\$1 in 8 years	= 1.37278570	\$1 in 26 years	= 2.80032815
\$1 each year for 8 years	= 9.60015460	\$1 each year for 26 years	= 46.36290659
\$1 in 9 years	= 1.42824624	\$1 in 27 years	= 2.91346140
\$1 each year for 9 years	= 11.02840084	\$1 each year for 27 years	= 49.27636799
\$1 in 10 years	= 1.48594738	\$1 in 28 years	= 3.03116524
\$1 each year for 10 years	= 12.51434822	\$1 each year for 28 years	= 52.30753323
\$1 in 11 years	= 1.54597966	\$1 in 29 years	= 3.15362432
\$1 each year for 11 years	= 14.06032788	\$1 each year for 29 years	= 55.46115755
\$1 in 12 years	= 1.60843724	\$1 in 30 years	= 3.28103074
\$1 each year for 12 years	= 15.66876512	\$1 each year for 30 years	= 58.74218829
\$1 in 13 years	= 1.67341810	\$1 in 31 years	= 3.41358438
\$1 each year for 13 years	= 17.34218322	\$1 each year for 31 years	= 62.15577267
\$1 in 14 years	= 1.74102419	\$1 in 32 years	= 3.55149318
\$1 each year for 14 years	= 19.08320741	\$1 each year for 32 years	= 65.70726585
\$1 in 15 years	= 1.81136157	\$1 in 33 years	= 3.69497350
\$1 each year for 15 years	= 20.89456898	\$1 each year for 33 years	= 69.40223935
\$1 in 16 years	= 1.88454057	\$1 in 34 years	= 3.84425042
\$1 each year for 16 years	= 22.77910955	\$1 each year for 34 years	= 73.24648977
\$1 in 17 years	= 1.96067601	\$1 in 35 years	= 3.99955813
\$1 each year for 17 years	= 24.73978556	\$1 each year for 35 years	= 77.24604790
\$1 in 18 years	= 2.03088732	\$1 in 36 years	= 4.16114027
\$1 each year for 18 years	= 26.77967288	\$1 each year for 36 years	= 81.40718817
\$1 in 19 years	= 2.12229877		
\$1 each year for 19 years	= 28.90197165		

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